Author Index of Vol. 62

Agoston DV, Kuhnt U: Increased Ca-uptake of presynaptic terminals during long-term potentiation in hippocampal slices 663
Albowitz B, see Norita M, et al. 225
Andersson S, see Rydenhag B, et al 11
Araki T, see Kang Y, et al. 281
Ashwood TJ, Lancaster B, Wheal HV: Intracellular electrophysiology of CA1 pyramidal neurones in slices of the kainic acid lesioned hippocampus of the rat 189
Atkinson ME, see Shehab SAS 422
Benedek G, see Norita M, et al. 225
Berry LM, see Gall C, et al. 431
Bissoli R, see Contestabile A, et al. 560
Bock O, Eckmiller R: Goal-directed arm movements in absence of visual guidance: evidence for amplitude rather than position control 451
Bower AJ, see Sherrard RM, et al. 411
Brandon C, see Jones EG, et al. 438
Browne RC, see Narayanan CH, et al. 61
Buser P, see Viévard A, et al. 587
Buser P, see Fabre-Thorpe M, et al. 596
Campana E, see Scarnati E, et al. 470
Carp JS, Rymer WZ: Enhancement by serotonin of tonic vibration and stretch reflexes in the decerebrate cat 111
Casanova C, see Molotchnikoff S, et al. 321
Cauller LJ, see Kulics AT 46
Chapin JK: Laminar differences in sizes, shapes, and response profiles of cutaneous receptive fields in the rat SI cortex 549
Chiodini O, see Contestabile A, et al. 560
Contestabile A, Munarini A, Bissoli R, Chiodini O, Villani L: Modification of ultrastructural and neurochemical parameters in synaptosomes of the retino-deprived goldfish optic tectum 560
Cowan WM, see Crespo D, et al. 541
Cowey A, see Kisvárday ZF, et al. 89
Cramer H, see Moser A, et al. 567
Crespi F, Keane PE, Morre M: In vivo evaluation by differential pulse voltammetry of the effect of thyrotropin-releasing hormone (TRH) on dopaminergic and serotoninergic synaptic activity in the striatum and nucleus accumbens of the rat 329
Crespo D, Stanfield BB, Cowan WM: Evidence that late-generated granule cells do not simply replace earlier formed neurons in the rat dentate gyrus 541
Creutzfeldt OD, see Norita M, et al. 225
Crisp T, see Trulson ME 579
Dean AF, Tolhurst DJ: Factors influencing the temporal phase of response to bar and grating stimuli for simple cells in the cat striate cortex 143
Delaunais D, see Molotchnikoff S, et al. 321
Dunbar DC, see Macpherson JM, et al. 152
Eckmiller R, see Bock O 451
Ehrlich D, Stuchbery J: A note on the projection from the rostral thalamus to the visual hyperstriatum of the chicken *(Gallus gallus)* 207
Eilendorff F, see Grossmann R 635
Ellendorff F, see Grossmann R 642
Endo K, see Kang Y, et al. 281
Enoka RM, see Howard JD, et al. 199
Fabre-Thorpe M, see Viévard A, et al. 587
Fabre-Thorpe M, Viévard A, Buser P: Role of the extrageniculate pathway in visual guidance. II. Effects of lesioning the pulvinar-lateral posterior thalamic complex in the cat 596
Faugier-Grimaud S, see Ventre J 654
Flink R, Svensson BA: Fluorescent double-labelling study of ascending and descending neurones in the feline lateral cervical nucleus 479
Fox SE, Wolfson S, Ranck Jr JB: Hippocampal theta rhythm and the firing of neurons in walking and urethane anesthetized rats 495
Freedman J, Hökfelt T, Jonsson G, Post C: Thyrotropin-releasing hormone (TRH) counteracts neuronal damage induced by a substance P antagonist 175
Freeman RD, see Sclar G, et al. 1
Gall C, Berry LM, Hodgson LA: Cholecystokinin in the mouse hippocampus: localization in the mossy fiber and dentate commissural systems 431
Gerrits NM, Voogd J: The nucleus reticularis tegmenti pontis and the adjacent rostral paramedian reticular formation: differential projections to the cerebellum and the caudal brain stem 29
Giroud P, see Joseph JP 355
Goldberger ME, see Robinson GA 373
Goldberger ME, see Robinson GA 387
Goodale MA, see Prablanc C, et al. 293
Goodale MA, see Pélisson D, et al. 303
Greene RW, see Haas HL 123
Gregory JE, McIntyre AK, Proske U: Vibration-evoked responses from lamellated corpuscles in the legs of kangaroos 648
Grossmann R, Ellendorff F: Functional development of the prenatal brain. I. Recording of extracellular action potentials from the magnocellular system of the 18-day-old chicken embryo 635
Grossmann R, Ellendorff F: Functional development of the prenatal brain. II. Ontogeny of the hypothalamo-neurohypophysial axis in the pre- and perinatal chicken brain 642
Haas HL, Greene RW: Effects of histamine on hippocampal pyramidal cells of the rat in vitro 123
Hasan Z, see Howard JD, et al. 199
Henatsch H-D, Meyer-Lohmann J, Windhorst U, Schmidt J: Differential effects of stimulation of the cat's red nucleus on lumbar alpha motoneurones and their Renshaw cells . . 161
Hendry SHC, see Jones EG, et al. 438
Hilaire G, see Khatib M, et al. 273
Hodgson AJ, see Kisvárday ZF, et al. 89
Hodgson LA, see Gall C, et al. 431
Hökfelt T, see Freedman J, et al. 175
Hoit JD, see Howard JD, et al. 199
Howard JD, Hoit JD, Enoka RM, Hasan Z: Relative activation of two human elbow flexors under isometric conditions: a cautionary note concerning flexor equivalence 199
Hubbard JI, Sirett NE, Mills RG, Hyland BI: Does the precommissural fornix excite neurons in the cat dorsal septum which project to the medial preoptic region? 618
Huopaniemi T, see Pertovaara A, et al. 486
Hyland BI, see Hubbard JI, et al. 618
Iles JF: Reciprocal inhibition during agonist and antagonist contraction 212

Isaacson LG, Tanaka Jr D: Cholinergic and non-cholinergic projections from the canine pontomesencephalic tegmentum (Ch5 area) to the caudal intralaminar thalamic nuclei . 179
Jacobs GH, Neitz J: Spectral sensitivity of cat cones to rapid flicker 446
Jeannerod M, see Pélisson D, et al. 303
Jeffery G, see Taylor AM, et al. 131
Jenner P, see Moser A, et al. 567
Jones EG, Hendry SHC, Brandon C: Cytochrome oxidase staining reveals functional organization of monkey somatosensory thalamus 438
Jonsson G, see Freedman J, et al. 175
Joseph JP, Giroud P: Visuomotor properties of neurons of the anterior suprasylvian gyrus in the awake cat 355
Kaba H, see Tanaka J, et al. 509
Kang Y, Endo K, Araki T, Mitani A: Dual mode of projections from the parietal to the motor cortex in the cat . 281
Katoh Y, see Norita M, et al. 225
Keane PE, see Crespi F, et al. 329
Keys W, see Robinson DL, et al. 625
Khatib M, Hilaire G, Monteau R: Excitatory interactions between phrenic motoneurons in the cat 273
Kisvárday ZF, Cowey A, Hodgson AJ, Somogyi P: The relationship between GABA immunoreactivity and labelling by local uptake of [^{3}H]GABA in the striate cortex of monkey 89
Krieger MS, see Morrell JI, et al. 343
Kuhnt U, see Agoston DV 663
Kulics AT, Cauller LJ: Cerebral cortical somatosensory evoked responses, multiple unit activity and current source-densities: their interrelationships and significance to somatic sensation as revealed by stimulation of the awake monkey's hand 46
Lancaster B, see Ashwood TJ, et al. 189
Lieberman AR, see Taylor AM, et al. 131
Macpherson JM, Rushmer DS, Dunbar DC: Postural responses in the cat to unexpected rotations of the supporting surface: evidence for a centrally generated synergic organization 152
Marle J van, Piek T, Veldsema-Currie RD: Presynaptic, high-affinity glutamate uptake in excitatory neuromuscular junctions of the retractor unguis muscle of the locust: determination of the K_m value using high resolution autoradiography 25
Marsden CD, see Moser A, et al. 567
Martin PR: The projection of different retinal ganglion cell classes to the dorsal lateral geniculate nucleus in the hooded rat 77
Martini M, see Rossi ML 312
McIntyre AK, see Gregory JE, et al. 648
McNaughton N, Miller JJ: Collateral specific long term potentiation of the output of field CA3 of the hippocampus of the rat 250
Meyer G, Wahle P: The olfactory tubercle of the cat. I. Morphological components 515
Meyer G, see Wahle P 528
Meyer-Lohmann J, see Henatsch H-D, et al. 161
Miles TS, Türker KS: Does reflex inhibition of motor units follow the "size principle"? 443
Miller JJ, see McNaughton N 250
Mills RG, see Hubbard JI, et al 618
Milner TE: Judgment and control velocity in rapid voluntary movements 99
Mioche L, Perenin MT: Central and peripheral residual vision in humans with bilateral deprivation amblyopia . . . 259
Mitani A, see Kang Y, et al. 281
Molotchnikoff S, Delaunais D, Casanova C: Modulations of the lateral geniculate nucleus cell responses by a second discrete conditioning stimulus: implications of the superior colliculus in rabbits 321
Monteau R, see Khatib M, et al. 273
Montero VM, Zempel J: The proportion and size of GABA-immunoreactive neurons in the magnocellular and parvocellular layers of the lateral geniculate nucleus of the rhesus monkey 215
Morre M, see Crespi F, et al. 329
Morrell JI, Krieger MS, Pfaff DW: Quantitative autoradiographic analysis of estradiol retention by cells in the preoptic area, hypothalamus and amygdala 343
Morton CR, see Siegel J, et al. 363
Moser A, Reavill C, Jenner P, Marsden CD, Cramer H: Effects of somatostatin on dopamine sensitive adenylate cyclase activity in the caudate-putamen of the rat 567
Mucke L, see Norita M, et al. 225
Munarini A, see Contestabile A, et al. 560
Narayanan CH, Narayanan Y, Browne RC: Development of the spinal tract of the trigeminal nerve and its relation to early fetal behavior in rats under normal and hypothyroid conditions 61
Narayanan Y, see Narayanan CH, et al. 61
Neitz J, see Jacobs GH 446
Nichols TR, Steeves JD: Resetting of resultant stiffness in ankle flexor and extensor muscles in the decerebrate cat . . 401
Norita M, Mucke L, Benedek G, Albowitz B, Katoh Y, Creutzfeldt OD: Connections of the anterior ectosylvian visual area (AEV) 225
Ohzawa I, see Sclar G, et al. 1
Olausson B, see Rydenhag B, et al. 11
Pacitti C, see Scarnati E, et al. 470
Pandya DN, see Seltzer B 459
Payne JN, see Sherrard RM, et al. 411
Pélisson D, see Prablanc C, et al. 293
Pélisson D, Prablanc C, Goodale MA, Jeannerod M: Visual control of reaching movements without vision of the limb. II. Evidence of fast unconscious processes correcting the trajectory of the hand to the final position of a double-step stimulus 303
Perenin MT, see Mioche L 259
Pertovaara A, Huopaniemi T, Tukeva T: Liminal and supraliminal response characteristics of mechanoreceptive neurons in the cuneate nucleus of cat 486
Petersen SE, see Robinson DL, et al. 625
Pfaff DW, see Morrell JI, et al. 343
Piek T, see Marle J van, et al. 25
Post C, see Freedman J, et al. 175
Prablanc C, Pélisson D, Goodale MA: Visual control of reaching movements without vision of the limb. I. Role of retinal feedback of target position in guiding the hand . . . 293
Prablanc C, see Pélisson D, et al. 303
Proia A, see Scarnati E, et al. 470
Proske U, see Gregory JE, et al. 648
Ranck Jr JB, see Fox SE, et al. 495
Reavill C, see Moser A, et al. 567
Ribak CE, Robertson RT: Effects of neonatal monocular enucleation on the number of GAD-positive puncta in rat visual cortex 203
Robertson RT, see Ribak CE 203
Robinson DL, Petersen SE, Keys W: Saccade-related and visual activities in the pulvinar nuclei of the behaving rhesus monkey 625
Robinson GA, Goldberger ME: The development and recovery of motor function in spinal cats. I. The infant lesion effect 373

Robinson GA, Goldberger ME: The development and recovery of motor function in spinal cats. II. Pharmacological enhancement of recovery 387
Rossi ML, Martini M: Afferent activity recorded during rotation from single fibres of the posterior nerve in the isolated frog labyrinth 312
Rothe F, see Wolf G, et al. 659
Rushmer DS, see Macpherson JM, et al. 152
Rydenhag B, Olausson B, Shyu BC, Andersson S: Localized responses in the midsuprasylvian gyrus of the cat following stimulation of the central lateral nucleus in thalamus 11
Rymer WZ, see Carp JS 111
Saito H, see Tanaka J, et al. 509
Sandkühler J, see Siegel J, et al. 363
Scarnati E, Proia A, Campana E, Pacitti C: A microiontophoretic study on the nature of the putative synaptic neurotransmitter involved in the pedunculopontine-substantia nigra pars compacta excitatory pathway of the rat . 470
Schmidt J, see Henatsch H-D, et al. 161
Schomburg ED, Steffens H: Synaptic responses of lumbar α-motoneurones to selective stimulation of cutaneous nociceptors and low threshold mechanoreceptors in the spinal cat 335
Schünzel G, see Wolf G, et al. 659
Sclar G, Ohzawa I, Freeman RD: Binocular summation in normal, monocularly deprived, and strabismic cats: visual evoked potentials 1
Seltzer B, Pandya DN: Posterior parietal projections to the intraparietal sulcus of the rhesus monkey 459
Seto K, see Tanaka J, et al. 509
Shehab SAS, Atkinson ME: Vasoactive intestinal polypeptide increases in areas of the dorsal horn of the spinal cord from which other neuropeptides are depleted following peripheral axotomy 422
Sherrard RM, Bower AJ, Payne JN: Innervation of the adult rat cerebellar hemisphere by fibres from the ipsilateral inferior olive following unilateral neonatal pedunculotomy: an autoradiographic and retrograde fluorescent double-labelling study 411
Shibuki K, Yagi K: Synergistic activation of rat supraoptic neurosecretory neurons by noxious and hypovolemic stimuli 572
Shyu BC, see Rydenhag B, et al. 11
Siegel J, Morton CR, Sandkühler J, Xiao H-M, Zimmermann M: Spinal neuronal inhibition and EEG synchrony by electrical stimulation in subcortical forebrain regions of the cat 363
Sirett NE, see Hubbard JI, et al. 618
Somogyi P, see Kisvárday ZF, et al. 89
Spenner H, Urbas JV: Masking and the perception of stop consonants: psychoacoustical and electrophysiological experiments 607
Stanfield BB, see Crespo D, et al. 541
Steeves JD, see Nichols TR 401
Steffens H, see Schomburg ED 335
Stuchbery J, see Ehrlich D 207
Svensson BA, see Flink R 479
Tanaka Jr D, see Isaacson LG 179
Tanaka J, Kaba H, Saito H, Seto K: Efferent pathways from the region of the subfornical organ to hypothalamic paraventricular nucleus: an electrophysiological study in the rat 509
Taylor AM, Jeffery G, Lieberman AR: Subcortical afferent and efferent connections of the superior colliculus in the rat and comparisons between albino and pigmented strains 131
Tolhurst DJ, see Dean AF 143
Trulson ME, Crisp T: Do serotonin-containing dorsal raphe neurons possess autoreceptors? 579
Türker KS, see Miles TS 443
Tukeva T, see Pertovaara A, et al. 486
Urbas JV, see Spenner H 607
Veldsema-Currie RD, see Marle J van, et al. 25
Ventre J, Faugier-Grimaud S: Effects of posterior parietal lesions (area 7) on VOR in monkeys 654
Viévard A, Fabre-Thorpe M, Buser P: Role of the extrageniculate pathway in visual guidance. I. Effects of lesioning the superior colliculus in the cat 587
Viévard A, see Fabre-Thorpe M, et al. 596
Villani L, see Contestabile A, et al. 560
Voogd J, see Gerrits NM 29
Wahle P, see Meyer G 515
Wahle P, Meyer G: The olfactory tubercle of the cat. II. Immunohistochemical compartmentation 528
Wallace MN: Spatial relationship of histochemically demonstrable patches in the mouse superior colliculus 241
Wheal HV, see Ashwood TJ, et al, ... 189
Windhorst U, see Henatsch H-D, et al. 161
Wolf G, Schünzel G, Rothe F: Histochemical demonstration of sodium-dependent glutamate uptake in brain tissues by glutamate dehydrogenase reaction 659
Wolfson S, see Fox SE, et al. 495
Xiao H-M, see Siegel J, et al. 363
Yagi K, see Shibuki K 572
Zempel J, see Montero VM 215
Zimmermann M, see Siegel J, et al 363